Claims

1. A method for performing single-point projection imaging by using an X-ray apparatus, comprising an X-ray source and a line scan camera present at a set distance therefrom and provided with a digital detector, the X-ray source as well as the line scan camera being adapted to rotate around an object to be placed between the X-ray source and the line scan camera, said method comprising performing the alignment of the X-ray source's focal spot at a desired position and then imaging the object by scanning it with a beam emanating from the X-ray source, which beam is received by the detector of the line scan camera, in which method the scanning motion is effected in such a way that the focal spot remains essentially stationary during the imaging process.

2. A method as set forth in claim 1, the apparatus used therein comprising preferably a frame element, on which is mounted pivotably about a rotation axis an element housing an X-ray source and a line camera, said rotation axis being adapted for displacement relative to the frame element, such that, during implementation of the method, the centre of rotation is essentially in line with the focus, whereby the focus remains essentially stationary during a scanning motion.

3. An apparatus for performing single-point projection imaging, said apparatus comprising an X-ray source and a line scan camera present at a set distance therefrom, the X-ray source as well as the line scan camera being adapted to rotate during an imaging process around an object to be placed therebetween, said apparatus including means for aligning the X-ray source's focal spot at a desired position and means for effecting a scanning motion necessary for imaging the object in such a way that the focal spot remains essentially stationary during the imaging process.

4. An apparatus as set forth in claim 3, which comprises a frame element, on which is mounted pivotably about a rotation axis an element housing an X-ray source and a line scan camera, said rotation axis being adapted for displacement relative to the frame element during a scanning motion, such that the centre of rotation is essentially in line with the focus, whereby the focus remains essentially stationary during a scanning motion.

5. An apparatus as set forth in claim 4, wherein the rotation axis is adapted for displacement along a linear path while the element housing the X-ray source and the line scan camera rotates to perform a scanning motion.